F. Castle,

Try Square.

No. 112,780. Patented Mar. 21. 1871.

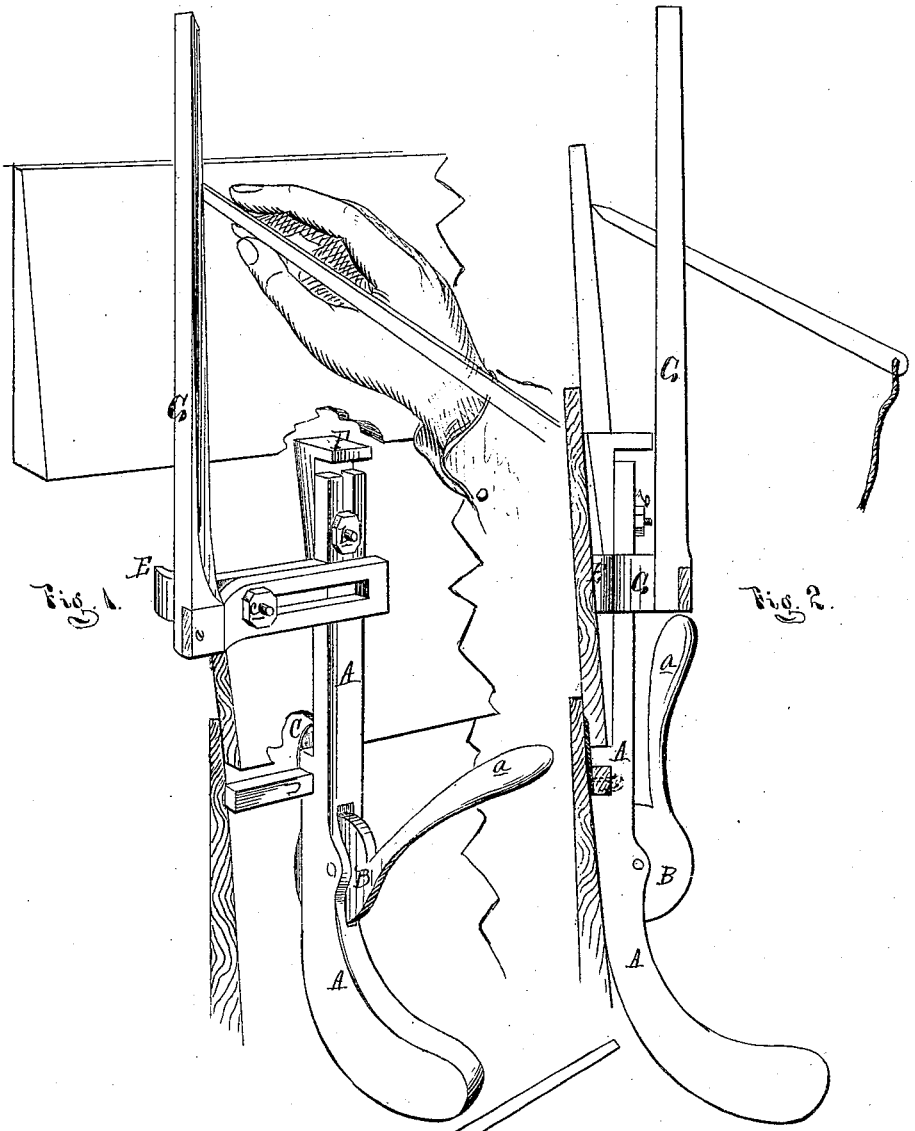

Fig. 1.

Fig. 2.

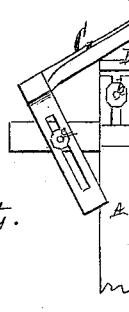

Fig. 3.

ATTEST

M. Stewart

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INVENTOR

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per Abby

Thos. S. Sprague

United States Patent Office.

FREDERIC CASTLE, OF MONTANA, IOWA, ASSIGNOR TO HIMSELF AND NEWBURY J. EATON, OF SAME PLACE.

Letters Patent No. 112,780, dated March 21, 1871; antedated March 18, 1871.

IMPROVEMENT IN COMBINED GAUGES AND TRY-SQUARES.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, FREDERIC CASTLE, of Montana, in the county of Boone and State of Iowa, have invented a new and useful Improvement in a Combined Siding-Gauge and Try-Square; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my device in use, gauging the left end of a weather-board;

Figure 2 is a side elevation of the same; and

Figure 3 is a detached front elevation of the gauge, canted to gauge up the rake of a gable.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improved device for gauging to length weather-boards in siding a house, and which will sustain in its proper position the board being gauged.

The invention consists in the novel and peculiar construction of a clamp for supporting the board to be gauged, and in connection therewith a gauge for giving the board any desired lap, and another for determining its length, after which it is scribed for sawing, the latter gauge being so arranged as to be adjustable to the rake of the roof in siding up a gable, for gauging and beveling at the same time the weather-boards of that part, the whole being arranged to operate in the manner hereinafter set forth.

A represents the stock of the clamp, the upper half of whose face is recessed the thickness of the lower edge of a weather-board, which rests on the shoulder at the bottom of the recess, as hereinafter explained.

Below the shoulder referred to, an eccentric, B, provided with a lever, *a*, is journaled in a mortise in the stock.

C is a thin metallic blade, secured to the face of the stock, and projects above the shoulder above referred to.

D and E are two studs, projecting laterally from the stock in the same direction, and are of equal length.

The corner boards of the frame and the two lower courses of weather-boards being in place, the stock is secured to the building by inserting the blade under the lap of the upper board, as shown in fig. 2, the studs being brought up against the corner board, not shown. The stock is then clamped in place by depressing the eccentric lever, as shown in fig. 1.

F is a bracket, adjustably secured to the upper part of the face of the stock by a set-screw, *b*, passing through a slot in the stock.

The bracket supports the board to be gauged and determines its lap over the one in position. This lap may be varied by moving the bracket up or down.

G is a square, whose short arm is slotted, as shown in fig. 1, and is adjustably secured to the stud E by a set-screw, *c*, passing through said slot into the stud, whereby the square may be moved in a lateral direction as well as be inclined to the right or left.

In figs. 1 and 2 the carpenter's hand is shown as scribing the length of the board by the inner face of the long or vertical arm of the square, which is adjusted to a position parallel with the inner edge of the corner board.

In fig. 3 the square is shown adjusted to gauge the ends of boards at the rake of the gable.

The gauge for the other ends of the siding is constructed in like manner, except that the studs and gauge point in the other direction.

What I claim as my invention, and desire to secure by Letters Patent, is—

The construction of a combined siding-gauge and try-square, wherein the stock A, eccentric B, blade C, studs D and E, bracket F, set-screw *b*, square G, and set-screw *c* are arranged relatively to each other, and operate in the manner and for the purpose set forth.

FREDERIC CASTLE.

Witnesses:

E. E. WEBB,

E. A. WEBB.